

IAP12 Rec'd PCT/PTO 01 MAY 2007

## FOX • ROTHSCHILD LLP

ATTORNEYS AT LAW  
A PENNSYLVANIA LIMITED LIABILITY PARTNERSHIP

MAILING ADDRESS P.O. Box 5231 PRINCETON, NJ 08543-5231

PRINCETON PIKE CORPORATE CENTER 997 LENOX DRIVE BUILDING 3 LAWRENCEVILLE, NJ 08648-2311

VOICE: (609) 896-6639

FAX: (609) 896-1469

RECEIVED  
CENTRAL FAX CENTER

MAY 01 2007

DATE: MAY 1, 2007

## FACSIMILE TRANSMITTAL SHEET

TO:	COMPANY:	FAX NUMBER:	PHONE NUMBER:
ATTN: MISSING PARTS	USPTO	(571) 273-8300	(571) 272-4000
FROM:	PHONE NUMBER:	EMAIL:	BILLING NUMBER:
John P. Blasko	(609) 895-6639	jblasko@foxrothschild.com	1149
NUMBER OF PAGES:	CHARGE FILE #:	PRIORITY:	LOG NUMBER:
13	0579400003	REGULAR	

IF YOU DO NOT RECEIVE ALL OF THE PAGES,  
PLEASE CALL (609) 896-6290 AS SOON AS POSSIBLE.  
ORIGINAL DOCUMENT WILL FOLLOW BY MAIL

☒ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ FOR YOUR INFORMATION

## NOTES/COMMENTS:

Re : Application for Patent (US)  
Applicant : Gary Robinson et al.  
Title : PROTEINS INVOLVED IN QUORUM SENSING  
Application no. : 10/577,124  
Our Ref. : 0579400003

Attached are the following:

1. Transmittal form – 1 pp.
2. Fee Transmittal – 1 pp.
3. Notification of Missing Requirements Under 35 U.S.C. 371 – 2 pp.
4. Response to Notice to File Missing Requirements under 35 C.F.R. 371 – 2 pp.
5. Declaration for Utility or Design Application Using an Application Data Sheet (37 CFR 1.63) – 3 pp.
6. Supplemental Application Data Sheet – 3 pp.

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

PTO/SB/21 (09-06)

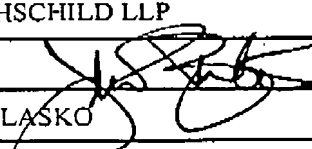
Approved for use through 03/31/2007. OMB 0851-0031

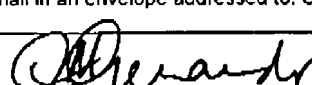
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/577,124	<b>RECEIVED CENTRAL FAX CENTER  MAY 01 2007</b>
	Filing Date	April 26, 2006	
	First Named Inventor	Gary Robinson et al.	
	Art Unit		
	Examiner Name	Shelby J. Vigil	
Total Number of Pages in This Submission	Attorney Docket Number	0579400003	

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Declaration - 3 pp.
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	FOX ROTHSCHILD LLP		
Signature			
Printed name	JOHN P. BLASKO		
Date	5-1-07	Reg. No.	31,149

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	Marissa T. Gerardo	Date	May 1, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

RECEIVED  
CENTRAL FAX CENTER

Page 1 of 2

MAY 01 2007



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/577,124	Gary Robinson	0579400003

INTERNATIONAL APPLICATION NO.

PCT/GB04/04775

LA. FILING DATE	PRIORITY DATE
-----------------	---------------

11/10/2004.

11/10/2003

29880

FOX ROTHSCHILD LLP  
PRINCETON PIKE CORPORATE CENTER  
997 LENOX DRIVE, BUILDING #3  
LAWRENCEVILLE, NJ 08648

CONFIRMATION NO. 1425

371 FORMALITIES LETTER



\*OC000000022749729\*

Date Mailed: 03/06/2007

## NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 04/26/2006
- Copy of the International Search Report filed on 04/26/2006
- Small Entity Statement filed on 04/26/2006
- U.S. Basic National Fees filed on 04/26/2006
- Priority Documents filed on 04/26/2006
- Power of Attorney filed on 04/26/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

## SUMMARY OF FEES DUE:

Total additional fees required for this application is \$65 for a Small Entity:

- \$65 Surcharge.

MAY 01 2007

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/577,124	PCT/GB04/04775	0579400003

FORM PCT/DO/EO/905 (371 Formalities Notice)

PTO/SB/17 (04-07)

Approved for use through 04/30/2007, OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2007**☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 65.00

**Complete if Known**

Application Number 10/577,124  
 Filing Date April 26, 2006  
 First Named Inventor Gary Robinson et al.  
 Examiner Name Shelby J. Vigil  
 Art Unit  
 Attorney Docket No. 0579400003

**RECEIVED**  
**CENTRAL FAX CENTER****MAY 01 2007****METHOD OF PAYMENT (check all that apply)**
☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 50-1943 Deposit Account Name: Fox Rothschild LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: (information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25

Each independent claim over 3 (including Reissues)

200	100
-----	-----

Multiple dependent claims

360	180
-----	-----

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
--------------	--------------	----------	---------------

- 20 or HP =	x	=	
--------------	---	---	--

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
---------------	--------------	----------	---------------

- 3 or HP =	x	=	
-------------	---	---	--

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
--------------	--------------	--	----------	---------------

- 100 =	/ 50 =	(round up to a whole number) x	=	0.00
---------	--------	--------------------------------	---	------

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Surcharge fee for a Small Entity

Fees Paid (\$)

65.00

10577124

501943

JBALININ 00000078

05/04/2007

01 FC:2617

**SUBMITTED BY**

Signature	Registration No. (Attorney/Agent) 31,149	Telephone 1-609-895-6639
Name (Print/Type) John P. Blasko		Date May 1, 2007

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Attorney Docket No. 0579400003

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. National Phase Application of  
PCT/GB04/04775First Named Inventor  
Gary Robinson et al.

Application Serial No.: 10/577,124

I.A. Filing Date: April 26, 2006

For: PROTEINS INVOLVED IN QUORUM SENSING

: Group Art Unit:  
: Unknown: Examiner:  
: Shelby J. Vigil

X

RECEIVED  
CENTRAL FAX CENTER  
MAY 01 2007Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS  
UNDER 35 U.S.C. 371 IN THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)

This response is being filed in response to the office action mailed March 6, 2007.

Remarks begin on page 2 of this paper.

## CERTIFICATE OF MAILING/TRANSMISSION 37 C.F.R. Section 1.8(a)

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Services with sufficient postage as first class Mail addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450 on the date shown below.

Marissa T. Gerardo



May 1, 2007

Printed Name

Signature

Date

Appl. No. 10/577,124  
Reply to Office Action of March 6, 2007

RECEIVED  
CENTRAL FAX CENTER  
MAY 01 2007

### REMARKS

In response to the Notification mailed March 6, 2007, Applicants hereby submit a declaration of the inventors and pay the outstanding fees as indicated.

Also, Applicants submit a Supplemental Application Data Sheet to reflect (1) changes in the addresses of the inventors and (2) that inventor Hannah Sue Rising has married and has adopted her husband's family name, Cook. Contact information of the responsible attorney has also been updated.

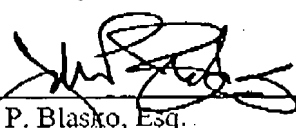
### CONCLUSION

Applicant believes that Applicant has fully responded to the Examiner's concerns. Applicant requests that any questions concerning this matter be directed to the undersigned at (609) 896-6639.

Please charge any deficiency and/or credit any overpayment to Deposit Account No. 50-1943. Thank you for your kind consideration in this matter.

Respectfully submitted,

Date: May 1, 2007

  
\_\_\_\_\_  
John P. Blasko, Esq.  
Reg. No. 31,149  
Customer Number: 29880  
Fox Rothschild LLP  
Princeton Pike Corporate Center  
997 Lenox Drive, Building 3  
Lawrenceville, NJ 08648-2311  
Tele: (609) 895-6639  
Fax : (609) 896-1469